INDEX.

A

Abell, R. G., quantitative studies of rate of passage of protein and other nitrogenous substances through walls of growing and of mature mammalian blood capillaries, 862
Abscesses, lung, bronchographic study of apparently healed, 95
Abt, A. F., note on oral administration of potassium chloride in treatment of hay fever, nasal allergy, asthma and sinusitis, 229
Acetyl-beta-methylcholine, response in blood pressure of hypertensive patients to, 609
Addison, W. H. F., structure of mammalian carotid sinus and adjacent arteries, 863
Addison's disease, 118
Adrenal apoplexy in man of 72 following idiopathic thrombophlebitis of adrenal veins, 17
glands, relation of, to action of renal pressor substance, 212
Adrenalin and amphetamine, metabolic and cardiovascular effects of intramuscular injections of, 702
Alsever, J. B., *see* Gwynn, C. A., 634
Altschule, M. D., adrenal apoplexy in in man of 72 following idiopathic thrombophlebitis of adrenal veins, 17
see Blumgart, H. L., 455
Aluminum hydroxide, colloidal, value of, in treatment of peptic ulcer; review of 407 consecutive cases, 155
Alum-precipitated insulin, clinical study of, 98
Ammonia, origin of, in urine under normal circumstances and in kidney disease, 546
Amphetamine and adrenalin, metabolic and cardiovascular effects of intramuscular injections of, 702
volatile (benzedrine inhaler), circulatory effects of, 104
Anemia, erythroblastic; 2 cases in adult siblings, etc., 376
induced in rats by means of sulphanilamide, 804
pernicious, platelets in; with review of literature, 372
Anemia, sickle cell, sedimentation rates of sickled and non-sickled cells from patients with, 191
Aneurysms, syphilitic aortic, cor pulmonale due to obstruction of pulmonary artery by, 679
Angevine, D. M., and Rothbard, S., *see* Cecil, R. L., 463
Angina pectoris and coronary occlusion, study of incidence of, in white and negro races, 685
Anoxia of central nervous system produced by temporary complete arrest of circulation, 146
Aortic aneurysms, syphilitic, cor pulmonale due to obstruction of pulmonary artery by, 679
Apoplexy, adrenal, in man of 72 following idiopathic thrombophlebitis of adrenal veins, 17
Appetite, mineral, of parathyroidectomized rats, 9
Applebaum, I. L., respiratory defense mechanism; its relationship to pulmonary diseases, 356
Arteriolonecrosis, renal, with papilledema, 52
Arthritics, considerations bearing on treatment of, 589
Arthritis, acute suppurative, use of sulphanilamide in, due to hemolytic streptococcus, 35
experimental, in rabbits produced with streptococci and other organisms, 463
Asthma, hay fever, nasal allergy and sinusitis, note on oral administration of potassium chloride in treatment of, 229
Atkinson, D. W., erythroblastic anemia; 2 cases in adult siblings, etc., 376
Auricular necrosis, experimental localized; electrocardiographic study, 690
standstill; its occurrence and significance, 774

B

Bargen, J. A., *see* Benson, K. W., 541
Bartle, H., Jr., and Dean, J. S., *see* Wilson, G., 616

Bauer, E. L., further studies on treatment of chorea and rheumatic infection by fever induction, 224
Bauman, L., clinical experience with globin insulin, 475
Beerman, H., and Ingraham, N. R., Jr., *see* Stokes, J. H., 577
Belk, W. P., Henry, N. W., and Rosenstein, F., observations on human blood stored at 4 to 6 degrees Centigrade, 631
Bellet, S., Freed, H., and Dyer, W. W., electrocardiogram during insulin shock treatment of schizophrenia and other psychoses, 533
Bennett, A. E., metrazol convulsive shock therapy in affective psychoses; follow-up report, 695
Benson, K. W., and Bargen, J. A., fecal impaction, 541
(Benzedrine inhaler) volatile amphetamine, circulatory effects of, 104
sulphate, experimental studies upon the toxicity of, in various animals, 785
Binger, M. W., *see* Engle, D. E., 609
Block, F. B., the vagina, 567
Blood capillaries, growing and mature mammalian, quantitative studies of rate of passage of protein and other nitrogenous substances through wall of, 862
human, observations on, stored at 4 to 6 degrees Centigrade, 631
of normal and schizophrenic subjects, changes in lactic acid, pH and gases produced in, 57
placental, collection and preservation of, for transfusion purposes, 634
pressure of healthy men, evaluation of influence of overweight on; study of 3,516 individuals applying for periodic health examination, 220
response in, of hypertensive patients to acetyl-beta-methylcholine, 609
prognostic significance of eosinophils in, in pneumonia, 386
studies in lymphogranuloma venereum; special reference to serum proteins, 516
on newborn, I. Determination of hemoglobin, etc., 646
viscosity; special reference to capillary, arterial (approximate), and venous blood specimens, 750
Blumgart, H. L., and Altschule, M. D., should digitalis be administered to patients with preëxisting partial heart block, 455
Bone marrow biopsies, clinico-hematologic evaluation of, 758
Bowcock, H., mitotic leukoblasts in peripheral blood in infectious mononucleosis, 384
Boyd, E. M., and Clark, K. J., prolongation by zinc salts of water balance reaction of posterior hypophyseal extract, 171
Bracken, M. M., prognostic significance of eosinophils in blood in pneumonia, 386
Brady, F. J., and Wright, W. H., studies on oxyuriasis, XVIII; 200 patients, 367
Brenner, C., *see* Lyons, R. H., 492
Brinkhous, K. M., study of clotting defect in hemophilia; delayed formation of thrombin, 509
Bronchographic study of apparently healed lung abscesses, 95
Brown, C. E., and Eder, L. F., acute puerperal hypophyseal necrosis; report of fatal case, 166
Brucellosis with endocarditis; case report with failure of sulphanilamide therapy, 342
Bunting, H., sedimentation rates of sickled and non-sickled cells from patients with sickle cell anemia, 191
Burch, G. E., and Voorhies, N. W., study of incidence of coronary occlusion and angina pectoris in white and negro races, 685
J. C., Diaz, J. T., and Harrison, T. R., *see* Williams, J. R., Jr., 212
Burke, M., *see* Middleton, W. S., 301

C

Cachexia, hypoglycemia, and duodenal ulcer, anterior pituitary tumor associated with, 1
Calculi, urinary, and ovarian cysts, production of, in young rats with testosterone propionate, 147
Callomon, V. B., treatment of pneumonia with type-specific immune rabbit serum, 349
Camp, C. D., *see* Sander, J. F., 551
Campbell, W. R., Graham, R. R., and Robinson, W. L., islet cell tumors of pancreas, 445
Cannon, W. B., a law of denervation, 737
Cardiovascular and metabolic effects of intramuscular injections of adrenalin and of amphetamine, 702
Carotid sinus, mammalian, and adjacent arteries, structure of, 863

Cecil, R. L., Angevine, D. M., and Rothbard, S., experimental arthritis in rabbits produced with streptococci and other organisms, 463
Cells, sickled and non-sickled, sedimentation rates of, from patients with sickle cell anemia, 191
Cevitamic acid deficiency; frequency in 100 unselected patients, 403
Chemical mediator, elimination of effect of, of renal hypertension, 602
Chorea and rheumatic infection, further studies on treatment of, by fever induction, 224
Christianson, R. A., *see* Hambleton, A., 177
Chromium poisoning in infancy, 551
Chronic hypertrophic spinal pachymeningitis, 616
Circulation in pregnancy, studies on, IV. Venous pressure observations, etc., 665
temporary complete arrest of, anoxia of central nervous system produced by, 146
time as measured by sodium cyanide method, influence of peripheral circulation in upper extremity on, 49
Circulatory effects of volatile amphetamine (benzedrine inhaler), 104
Clark, K. J., *see* Boyd, E. M., 171
Cline, J. K., Goodhart, R., and Gennis, J., *see* Jolliffe, N., 198
Clinico-hematologic evaluation of bone marrow biopsies, 758
Clotting defect in hemophilia, study of; delayed formation of thrombin, 509
Cohen, M. E., and Reid, D. E., *see* Thomson, K. J., 665
Cohn, I., *see* Nadler, S. B., 41
Conn, diabetic, prognosis in; basic importance of mental state, 252
Congo red: toxicity and systemic actions, 73
absorption, distribution and sojourn in blood, 82
hematologic actions, 87
Connective tissue, growth and differentiation of, as observed microscopically in living rabbit, 144
Cooper, F. B., *see* Gross, P., 66
Coronary artery thrombosis in polycythemia vera, 323
occlusion and angina pectoris, study of incidence of, in white and negro races, 685
Cor pulmonale due to obstruction of pulmonary artery by syphilitic aortic aneurysms, 679
Corwin, W. C., mechanism of insulin convulsions, 724
Craig, W. McK., and Snell, A. M., *see* Foley, M. P., 1
Croft, J. D., and Snorf, L. D., cevitamic acid deficiency; frequency in 100 unselected patients, 403
Curtis, A. C., *see* Smith, K. McL., 342
Cutaneous reaction mechanisms, psychoneurogenous component of, 577
Cysteine hydrochloride as an anticoagulant for clinical use, 502
Cysts, ovarian, and urinary calculi, production of, in young rats with testosterone propionate, 147

D

Daly, C., and Johnson, R. E., *see* Dill, D. B., 702
Dandy, W. E., and Kunkel, P. A., central connections of vestibular pathways; experimental study, 149
Dean, J. S., and Bartle, H., Jr., *see* Wilson, G., 616
Defense mechanism, respiratory; its relationship to pulmonary diseases, 356
Denervation, a law of, 737
Diabetes, prediction and prevention of late pregnancy accidents in, 482
Diabetic and normal cats, ketone formation and utilization in, 145
coma, prognosis in; basic importance of mental state, 252
Diaz, J. T., Burch, J. C., and Harrison, T. R., *see* Williams, J. R., Jr., 212
Digitalis, should it be administered to patients with preëxisting partial heart block, 455
Dill, D. B., Johnson, R. E., and Daly, C., metabolic and cardiovascular effects of intramuscular injections of adrenalin and of amphetamine, 702
Dillon, J. R., Jr., *see* Richardson, A. P., 73
Donohue, W. L., pathology of intervertebral disc, 419
Drabkin, D. L., action of urea upon hemoglobin; spectrophotometric study of process of protein denaturation, 144
Duncan, G. G., *see* Hayward, G. W., 396
Duodenal ulcer, cachexia, and hypoglycemia, anterior pituitary tumor associated with, 1
Dyer, W. W., and Freed, H., *see* Bellet, S., 533

E

Eckert, J. F., *see* Richter, C. P., 9
Eder, L. F., *see* Brown, C. E., 166

Ehrich, W. E., Lewy, F. H., and Krumbhaar, E. B., experimental studies upon toxicity of benzedrine sulphate in various animals, 785
Electrocardiogram during insulin shock treatment of schizophrenia and other psychoses, 533
Encephalomyelitis, equine, infection of man with virus of, 437
Endocarditis, brucellosis with; case report with failure of sulphanilamide therapy, 342
lenta, *Streptococcus viridans*, clinico-pathologic analysis of experience in Wisconsin General Hospital, 301
Engle, D. E., and Binger, M. W., response in blood pressure of hypertensive patients to acetyl-beta-methylcholine, 609
Eosinophils in blood, prognostic significance of, in pneumonia, 386
Epinephrine in oil; its effectiveness in symptomatic treatment of bronchial asthma, 815
Erythroblastic anemia; 2 cases in adult siblings, etc., 376
splenomegaly, note on, occurring during pregnancy, 187
Erythropoiesis following bleeding peptic ulcer, 492
Esophagus, lower, peptic ulcer of, associated with esophageal hiatus hernia; report of 2 cases, 165

F

Fabricant, N. D., urgent surgery, 852
Familial polycythemia, 41
Faulkner, J. M., *see* Peters, C. M., 104
Focal impaction, 541
Feldman, M., peptic ulcer of lower esophagus associated with esophageal hiatus hernia; report of 2 cases, 165
Fels, S. S., Gershon-Cohen, J., and Paschkis, K., *see* Shay, H., 147
Fernandez, L., *see* Molitor, H., 778
Fever induction, further studies on treatment of chorea and rheumatic infection by, 224
Fialka, S. M., and Kamlet, J., *see* Rosenthal, L., 98
Flippin, H. F., Schwartz, L., and Lockwood, J. S., *see* Pepper, D. S., 22
Foley, M. P., Snell, A. M., and Craig, W. McK., anterior pituitary tumor associated with cachexia, hypoglycemia, and duodenal ulcer, 1
Franklin, R. M., bronchographic study of apparently healed lung abscesses, 95
Freed, H., and Dyer, W. W., *see* Bellet, S., 533
Freeman, W., and Small, R. R., *see* Looney, J. M., 528
Friedenson, M., origin of ammonia in urine under normal circumstances and in kidney disease, 546

G

Garvin, C. F., and Siegel, M. L., cor pulmonale due to obstruction of pulmonary artery by syphilitic aortic aneurysms, 679
Gennis, J., Goodhart, R., and Cline, J. K., *see* Jolliffe, N., 198
Gershon-Cohen, J., Fels, S. S., and Paschkis, K., *see* Shay, H., 147
Gibbon, J. H., Jr., *see* Weinberger, L. M., 146
Globin insulin, clinical experience with, 475
Goldbloom, A. A., and Lieberson, A., renal arteriolonecrosis without papilledema, 52
Gonococcal urethritis in male, use of sulfapyridine in treatment of, 594
Goodhart, R., Gennis, J., and Cline, J. K., *see* Jolliffe, N., 198
Gordon, J. E., infection of man with virus of equine encephalomyelitis, 437
Graham, R. R., and Robinson, W. L., *see* Campbell, W. R., 445
Gross, P., and Cooper, F. B., therapeusis of experimental Type I pneumococcic meningitis in rats; comparative results, etc., 66
Growth and differentiation of connective tissue as observed microscopically in living rabbit, 144
Gwynn, C. A., and Alsever, J. B., collection and preservation of placental blood for transfusion purposes, 634

H

Hambleton, A., and Christianson, R. A., choice of technique for sedimentation test, 177
Hamilton, R. H., *see* Peckham, R. H., 143
Harrison, T. R., Diaz, J. T., and Burch, J. C., *see* Williams, J. R., Jr., 212
Hay fever, nasal allergy, asthma and sinusitis, note on oral administration of potassium chloride in treatment of, 229
Hayward, G. W., and Duncan, G. G., effect of alterations in metabolic rate on action of insulin, 396

Heart block, preëxisting partial; should digitalis be administered to patients with? 455
Heckel, N. J., and Hori, C. G., effect of sulphanilamide upon spermatogenesis in man, 347
Hemoglobin, action of urea upon; spectrophotometric study of process of protein denaturation, 144
Hemolytic streptococcus, use of sulphanilamide in acute suppurative arthritis due to, 35
Hemophilia, study of clotting defect in; delayed formation of thrombin, 509
Henry, N. W., and Rosenstein, F., *see* Belk, W. P., 631
Hepatectomy, total, in dog, hepatic origin of plasma-prothrombin observations after, 193
Hernia, esophageal hiatus, peptic ulcer of lower esophagus associated with; report of 2 cases, 165
Higgins, G. M., *see* Machella, T. E., 804
Hoefer, P. F. A., *see* Putnam, T. J., 502
Holbrook, A. A., and Watson, M. V., blood viscosity; special reference to capillary, arterial (approximate), and venous blood specimen, 750
Hori, C. G., *see* Heckel, N. J., 347
Howard, J. E., and Vest, S. A., Jr., clinical experiments with male sex hormones, II. Further observations on testosterone propionate in adult hypogonadism, etc., 823
Human beings, malnutrition in, note on ocular symptoms occurring from, 40
blood, observations on, stored at 4 to 6 degrees Centigrade, 631
Hunt, H., Titus, R. S., and Joslin, E. P., *see* White, P., 482
Hypercirculation, voluntary, 329
Hypertension, experimental, in nephrectomized parabiotic rats, 864
renal, elimination of effect of chemical mediator of, 602
Hypertensive patients, response in blood pressure of, to acetyl-beta-methylcholine, 609
Hypoglycemia, cachexia, and duodenal ulcer, anterior pituitary tumor associated with, 1
Hypophyseal extract, posterior, prolongation by zinc salts of water balance reaction of, 171
necrosis, acute puerperal; report of fatal case, 166
Hypophysis in protein metabolism, 862

I

Illeitis, regional; summary of literature, 269
Impaction, fecal, 541
Infancy and childhood, diseases of kidneys in, 132
chromium poisoning in, 551
Infection of man with virus of equine encephalomyelitis, 437
Inflammatory conditions, Roentgen therapy of, 729
Ingraham, N. R., Jr., and Beerman, H., *see* Stokes, J. H., 577
Insulin, alum-precipitated, clinical study of, 98
convulsions, mechanism of, 724
effect of alterations in metabolic rate on action of, 396
globin, clinical experience with, 475
shock treatment of schizophrenia and other psychoses, electrocardiogram during, 533
Intervertebral disc, pathology of, 419
Intramuscular injections of adrenalin and of amphetamine, metabolic and cardiovascular effects of, 702
Iontophoresis, studies on, I. Experimental studies on causes and prevention of iontophoretic burns, 778
Islet cell tumors of pancreas, 445

J

Jeffers, W. A., Lindauer, M. A., Twaddle, P. H., and Wolferth, C. C., experimental hypertension in nephrectomized parabiotic rats, 864
Johnson, H. J., *see* Short, J. J., 220
R. E., and Daly, C., *see* Dill, D. B., 702
S. H., Leberman, P. R., and Pepper, D. S., use of sulfapyridine in treatment of gonococcal urethritis in male, 594
Jolliffe, N., Goodhart, R., Gennis, J., and Cline, J. K., experimental production of vitamin B_1 deficiency in normal subjects, etc., 198
Joslin, E. P., Titus, R. S., and Hunt, H., *see* White, P., 482

K

Kamlet, J., and Fialka, S. M., *see* Rosenthal, L., 98
Kampmeier, R. H., Smith, D. W., and Larsen, R. M., blood studies in lymphogranuloma venereum; special reference to serum proteins, 516
Katz, L. N., *see* Rodbard, S., 602
Keeney, E. L., epinephrine in oil; its effectiveness in symptomatic treatment of bronchial asthma, 815

Ketone formation and utilization in normal and diabetic cats, 145
Kidney disease, origin of ammonia in urine under normal circumstances and in, 546
Kidneys, diseases of, in infancy and childhood, 132
Kirsner, J. B., *see* Le Vine, R., 389
Kornblith, B. A., lymphogranuloma venereum: treatment of 300 cases; special reference to use of Frei antigen intravenously, 231
Krumbhaar, E. B., and Lewy, F. H., *see* Ehrich, W. E., 785
Kunkel, P., *see* Stead, E. A., Jr., 49
P. A., *see* Dandy, W. E., 149

L

Lactic acid, pH and gases, changes in, produced in blood of normal and schizophrenic subjects by exercise, 57
Larsen, R. M., and Smith, D. W., *see* Kampmeier, R. H., 516
Leberman, P. R., and Pepper, D. S., *see* Johnson, S. H., 594
Leukoblasts, mitotic, in peripheral blood in infectious mononucleosis, 384
LeVine, R., and Kirsner, J. B., evaluation of phenolphthalein test of Woldman, 389
Levine, S. A., *see* Rosenbaum, F. F., 774
Lewy, F. H., and Krumbhaar, E. B., *see* Ehrich, W. E., 785
Lieberson, A., *see* Goldbloom, A. A., 52
Lindauer, M. A., Twaddle, P. H., and Wolferth, C. C., *see* Jeffers, W. A., 864
Lockwood, J. S., Flippin, H. F., and Schwartz, L., *see* Pepper, D. S., 22
Looney, J. M., changes in lactic acid, pH and gases produced in blood of normal and schizophrenic subjects by exercise, 57
Freeman, W., and Small, R. R., studies on phytotoxic index, III, 528
Lukens, F. D. W., and Zapp, J. A., Jr., *see* Stadie, W. C., 145
Lung abscesses, apparently healed, bronchographic study of, 95
Lymphogranuloma venereum, blood studies in; special reference to serum protein, 516
treatment of 300 cases; special reference to use of Frei antigen intravenously, 231
Lyons, R. H., and Brenner, C., erythropoiesis following bleeding peptic ulcer, 492

M

Machella, T. E., and Higgins, G. M., anemia induced in rats by means of sulphanilamide, 804
Magner, D., case of fatal subacute myocarditis of unknown etiology, 246
Male sex hormones, clinical experiments with, II. Further observations on testosterone propionate in adult hypogonadism, etc., 823
use of sulfapyridine in treatment of gonococcal urethritis in, 594
Malnutrition in human beings, note on ocular symptoms occurring from, 40
Mammalian carotid sinus, and adjacent arteries, structure of, 863
Maughan, G. B., and Merchant, F. T., *see* Waugh, T. R., 646
Meningitis, experimental Type I pneumococcic, in rats, therapeusis of comparative results, etc., 66
Merchant, F. T., and Maughan, G. B., *see* Waugh, T. R., 646
Metabolic and cardiovascular effects of intramuscular injections of adrenalin and of amphetamine, 702
rate, effect of alterations in, on action of insulin, 396
Metrazol convulsive shock therapy in affective psychoses; follow-up report, 695
Middleton, W. S., and Burke, M., *Streptococcus viridans* endocarditis lenta; clinico-pathologic analysis of experience in Wisconsin General Hospital, 301
Miller, H. R., occurrence of coronary artery thrombosis in polycythemia vera, 323
Mineral appetite of parathyroidectomized rats, 9
Molitor, H., and Fernandez, L., studies on iontophoresis, I. Experimental studies on causes and prevention of iontophoretic burns, 778
Mononucleosis, infectious, mitotic leukoblasts in peripheral blood in, 384
Moore, R. A., and Pastore, J. B., note on erythroblastic splenomegaly occurring during pregnancy, 187
Morrison, M., and Samwick, A. A., clinico-hematologic evaluation of bone marrow biopsies, 758
Myocarditis, fatal subacute, case of, of unknown etiology, 246

N

Nadler, S. B., and Cohn, I., familial polycythemia, 41

Necrosis, acute puerperal hypophyseal; report of fatal case, 166
experimental localized auricular; electrocardiographic study, 690
Needles, R. J., *see* Smith, F. J., 19
Nephrectomized parabiotic rats, experimental hypertension in, 864
Nervous impulses, chemical transmission of, 857
system, central, anoxia of, produced by temporary complete arrest of circulation, 146
Newborn, blood studies on, I. Determination of hemoglobin, etc., 646
Newman, H. W., chemical transmission of nervous impulses, 857
Night blindness and vitamin A, 292
"Numeral test" in transverse lesions of spinal cord, 393

O

Ocular symptoms occurring from malnutrition in human beings, note on, 40
Ogden, E., and Shock, N. W., voluntary hypercirculation, 329
Oil, epinephrine in; its effectiveness in symptomatic treatment of bronchial asthma, 815
Ovarian cysts and urinary calculi, production of, in young rats with testosterone propionate, 147
Over-weight, evaluation of influence of, on blood pressure of healthy men; study of 3,516 individuals applying for periodic health examination, 220
Owens, L. B., and Rockwern, S. S., prognosis in diabetic coma: basic importance of mental state, 252
Oxyuriasis, studies on, XVIII; 200 patients, 367

P

Pachymeningitis, chronic hypertrophic spinal, 616
Paddock, F. K., and Smith, K. E., platelets in pernicious anemia; with review of literature, 372
Pancreas, islet cell tumors of, 445
Papilledema, renal arteriolonecrosis without, 52
Parathyroidectomized rats, mineral appetite of, 9
Paschkis, K., Gershon-Cohen, J., and Fels, S. S., *see* Shay, H., 147
K. E., hypophysis in protein metabolism, 862
Pastore, J. B., *see* Moore, R. A., 187
Pathology of intervertebral disc, 419
Peckham, R. H., and Hamilton, R. H., flicker spectrophotometer, 143
Pemberton, R., considerations bearing on treatment of arthritics, 589
Pepper, D. S., and Leberman, P. R., *see* Johnson, S. H., 594
Flippin, H. F., Schwartz, L., and Lockwood, J. S., results of sulfapyridine therapy in 400 cases of typed pneumococcic pneumonia, 22
Peptic ulcer, bleeding, erythropoiesis following, 492
of lower esophagus associated with esophageal hiatus hernia; report of 2 cases, 165
value of colloidal aluminum hydroxide in treatment of; review of 407 consecutive cases, 155
Peripheral blood, mitotic leukoblasts in, infectious mononucleosis, 384
circulation in upper extremity, influence of, on circulation time as measured by sodium cyanide method, 49
Pernicious anemia, platelets in; with review of literature, 372
Peters, C. M., and Faulkner, J. M., circulatory effects of volatile amphetamine (benzedrine inhaler), 104
Phenolphthalein test of Woldman, evaluation of, 389
Phytotoxic index, studies on, III, 528
Pituitary tumor, anterior, associated with cachexia, hypoglycemia, and duodenal ulcer, 1
Placental blood, collection and preservation of, for transfusion purposes, 634
Plasma-prothrombin observations, hepatic origin of, after total hepatectomy in dog, 193
Platelets in pernicious anemia; with review of literature, 372
Pneumonia, acute lobar, report of 50 cases in adults, treated with sulphapyridine, 19
prognostic significance of eosinophils in blood in, 386
treatment of, with type-specific immune rabbit serum, 349
typed pneumococcic, sulfapyridine therapy in 400 cases of, 22
Pohle, F. J., and Stewart, J. K., study of Quick method for quantitative determination of prothrombin with suggested modifications, 622
Poisoning, chromium, in infancy, 551
Polen, C. G., *see* Woldman, E. E., 155
Polycythemia, familial, 41
vera, coronary artery thrombosis in, 323

Polyneuritis, evaluation of vitamin B_1 (thiamin chloride) in treatment of, 837
Potassium chloride, note on oral administration of, in treatment of hay fever, nasal allergy, asthma and sinusitis, 229
Pregnancy accidents, late, prediction and prevention of, in diabetes, 482
note on erythroblastic splenomegaly occurring during, 187
studies on circulation in, IV. Venous pressure observations, etc., 665
Protein and other nitrogenous substances, quantitative studies of rate of passage of, through walls of growing and of mature mammalian blood capillaries, 862
metabolism, hypophysis in, 862
Prothrombin observations, hepatic origin of, after total hepatectomy in dog, 193
study of Quick method for quantitative determination of, with suggested modifications, 622
Psychoneurogenous component of cutaneous reaction mechanisms, 577
Psychoses, affective, metrazol convulsive shock therapy in; follow-up report, 695
Pulmonary artery, cor pulmonale due to obstruction of, by syphilitic aortic aneurysms, 679
diseases, respiratory defense mechanism's relationship to, 356
Putnam, T. J., and Hoefer, P. F. A., cysteine hydrochloride as an anticoagulant for clinical use, 502

Q

QUANTITATIVE determination of prothrombin, study of Quick method for, with suggested modifications, 622
Quick method, study of, for quantitative determination of prothrombin with suggested modifications, 622

R

RABBIT serum, type-specific immune, treatment of pneumonia with, 349
Regional ileitis; summary of literature, 269
Reid, D. E., and Cohen, M. E., *see* Thomson, K. J., 665
Renal arteriolonecrosis without papilledema, 52
Renal hypertension, elimination of effect of chemical mediator of, 602
pressor substance, relation of adrenal glands to action of, 212
Respiratory defense mechanism; its relationship to pulmonary diseases, 356
Reviews:
Adams, The Genuine Works of Hippocrates, 409
Allen *et al.*, Sex and Internal Secretions, 412
Alsted, Studies on the Changing Incidence of Peptic Ulcer, 560
American Roentgen Ray Society, Consolidated Indices, 111
Barborka, Treatment by Diet, 717
Beaumont and Dodds, Recent Advances in Medicine, 845
Bigger, Man Against Microbe, 563
Bliss, An Introductory Guide to Biochemistry, 555
Bray, Synopsis of Clinical Laboratory Methods, 108
Brickel, Surgical Treatment of Hand and Forearm Infections, 113
Burdon, Medical Microbiology, 717
Campbell, Operative Orthopædics, 717
Cannon, The Wisdom of the Body, 113
Carter, Greene and Twiss, Diagnosis and Management of Diseases of the Biliary Tract, 845
Clark, The Vaginal Diaphragm, 414
Clarke, Molding and Casting, 714
Cole and Elman, Textbook of General Surgery, 263
Cowdry, Problems of Ageing, 714
Davison, Manual of Toxicology, 415
Dutton, Headache and Head Pains, 845
Duval and Schattenberg, Textbook of Pathology, 562
Ewalt, Parsons, Warren, and Osborne, Fever Therapy Technique, 561
Faris and Dunham, Mental Disorders in Urban Areas, 265
Fishberg, Hypertension and Nephritis, 556
Flagg, The Art of Anesthesia, 721
Fluhmann, Menstrual Disorders, 713
Fortin, Rétine Humaine et Phénomènes Entoptiques, 415
Goldzieher, The Endocrine Glands, 718
Gordon, Dental Science and Dental Art, 109
Haas, Recipes and Menus for Allergics, 846
Haden, Principles of Hematology, 411
Harrison, Failure of the Circulation, 412
Hunter, Laboratory Manual of the Massachusetts General Hospital, 557
Jensen, Insulin, 112
Knott, Clinical Bacteriology, 111

Reviews:
Larsell, Text-book of Neuro-anatomy and the Sense Organs, 261
Lederer, Diseases of the Ear, Nose and Throat, 109
Leriche, The Surgery of Pain, 720
Livingston and Pack, End-results in the Treatment of Gastric Cancer, 263
Long and Bliss, The Clinical and Experimental Use of Sulfanilamide, Sulfapyridine and Allied Compounds, 713
Loomis, Consultation Room, 113
Lorenz, Richtlinien Praktischer Orthopädie, 557
McNeill, Roentgen Technique, 560
Marie, Medical Vocabulary and Phrases, 561
Means and Richardson, The Diagnosis and Treatment of Diseases of the Thyroid, 110
Medical Clinics of North America, Vol. 23, No. 3, May 1939, 556
Miller, Angina Pectoris, 413
and Wallgren, Pulmonary Tuberculosis in Adults and Children, 114
Mills, Medical Climatology, 720
Mogensen, Studies on the Size of the Red Blood Cells Especially in Some Anæmias, 112
Moon, Shock and Related Capillary Phenomena, 409
Morgan, You Can't Eat That! 846
Morton, Oh, Doctor! My Feet! 714
Neoussikine and Abramowitsch, Elektrodiagnostik, 848
Niehans, Die Endokrinen Drüsen des Gehirns, 108
Niemoeller, Feminine Hygiene in Marriage, 261
Oatway, The Management of Tuberculosis in General Hospitals, 847
Ochsner and Mahorner, Varicose Veins, 413
Opuscula Selecta Neerlandicorum de Arte Medica, 719
Otto, Felix and Laibach, Chemie und Physiologie des Eiweisses, 262
Owen, It's More Fun to be Thin, 558
Park and Williams, Pathogenic Microörganisms, 719
Pearce, A Textbook of Orthopædic Nursing, 559
Proceedings of the American Philosophical Society for Promoting Useful Knowledge, 261
Rankin and Graham, Cancer of the Colon and Rectum, 715
Reynolds, Physiology of the Uterus, 265
Robinson, The Patient as a Person, 560
Royle, The Functions of Human Voluntary Muscles, 112
Rural Medicine, 558
Segal, Synopsis of Pulmonary Tuberculosis, 112
Sharp, Practical Microbiology and Public Health, 108
Reviews:
Sollmann and Hanzlik, Fundamentals of Experimental Pharmacology, 415
Soper, Clinical Gastro-enterology, 113
Spaeth, Principles and Practice of Ophthalmic Surgery, 114
Spicer, Trauma and Internal Disease, 847
Stuart *et al.*, Studies from the Center for Research in Child Health and Development, School of Public Health, Harvard University, 562
Terry, Fever and Psychoses, 414
Thomsen, Studies of Trauma and Carbohydrate Metabolism with Special Reference to the Existence of Traumatic Diabetes, 111
Tilney and Riley, The Form and Functions of the Central Nervous System, 556
Treves, Surgical Applied Anatomy, 715
Turner, Personal and Community Health, 266
Van Dyke, The Physiology and Pharmacology of the Pituitary Body, 416
Vaughan, Practice of Allergy, 846
Washburn, The Massachusetts General Hospital, 718
Wetherbee, Medicine in the Outpatient Department, 716
Wilbur, The March of Medicine, 715
Wilson and Pescor, Problems in Prison Psychiatry, 264
Witherspoon, Clinical Pathological Gynecology, 264
Zinsser, Enders and Fothergill, Immunity Principles and Application in Medicine and Public Health 555
Zoethout, A Textbook of Physiology, 716
Rheumatic infection and chorea, further studies on treatment of, by fever induction, 224
Rhoads, J. E., *see* Warren, R., 193
Richardson, A. P., and Dillon, J. R., Jr., congo red: toxicity and systemic actions, 73
absorption, distribution and sojourn in blood, 82
hematologic action, 87
Richter, C. P., and Eckert, J. F., mineral appetite of parathyroidectomized rats, 9
Robinson, W. L., and Graham, R. R., *see* Campbell, W. R., 445
Rockwern, S. S., *see* Owens, L. B., 252
Rodbard, S., and Katz, L. N., elimination of effect of chemical mediator of renal hypertension, 602
Roentgen therapy of inflammatory conditions, 729

Rosenbaum, F. F., and Levine, S. A., auricular standstill; its occurrence and significance, 774
Rosenstein, F., and Henry, N. W., *see* Belk, W. P., 631
Rosenthal, L., Fialka, S. M., and Kamlet, J., clinical study of alum-precipitated insulin, 98
Rothbard, S., and Angevine, D. M., *see* Cecil, R. L., 463

S

Samwick, A. A., *see* Morrison, M., 758
Sander, J. F., and Camp, C. D., chromium poisoning in infancy, 551
Sanders, A., experimental localized auricular necrosis; electrocardiographic study, 690
Schizophrenia and other psychoses, electrocardiogram during insulin shock, treatment of, 533
Schizophrenic and normal subjects, changes in lactic acid, pH and gases produced in blood of, by exercise, 57
Schwartz, L., Flippin, H. F., and Lockwood, J. S., *see* Pepper, D. S., 22
Sedimentation rates of sickled and nonsickled cells from patients with sickle cell anemia, 191
Sex hormones, male, clinical experiments with, II. Further observations on testosterone propionate in adult hypogonadism, etc., 823
Shapiro, R., regional ileitis; summary of literature, 269
Shay, H., Gershon-Cohen, J., Fels, S. S., and Paschkis, K., production of ovarian cysts and urinary calculi in young rats with testosterone propionate, 147
Shock, N. W., *see* Ogden, E., 329
Shock therapy, metrazol convulsive, in affective psychoses; follow-up report, 695
Short, J. J., and Johnson, H. J., evaluation of influence of over-weight on blood pressure of healthy men; study of 3,516 individuals applying for periodic health examination, 220
Siegel, A. E., diseases of kidneys in infancy and childhood, 132
M. L., *see* Garvin, C. F., 679
Small, R. R., and Freeman, W., *see* Looney, J. M., 528
Smith, D. W., and Larsen, R. M., *see* Kampmeier, R. H., 516
F. J., and Needles, R. J., report of 50 cases of acute lobar pneumonia in adults treated with sulphapyridine, 19
K. E., *see* Paddock, F. K., 372
Smith, K. McL., and Curtis, A. C., brucellosis with endocarditis; case report with failure of sulphanilamid-therapy, 342
Snell, A. M., and Craig, W. McK., *see* Foley, M. P., 1
Snorf, L. D., *see* Croft, J. D., 403
Sodeman, W. A., Addison's disease, 118
Sodium cyanide method, influence of peripheral circulation in upper extremity on circulation time as measured by, 49
Spectrophotometer, flicker, 143
Spermatogenesis in man, effect of sulphanilamide upon 347
Spies, T. D., note on ocular symptoms occurring from malnutrition in human beings, 40
Spinal cord, "numeral test" in transverse lesions of, 393
pachymeningitis, chronic hypertrophic, 616
Spink, W. W., use of sulphanilamide in acute suppurative arthritis due to hemolytic streptococcus, 35
Splenomegaly, erythroblastic, note on, occurring during pregnancy, 187
Stadie, W. C., Lukens, F. D. W., and Zapp, J. A., Jr., ketone formation and utilization in normal and diabetic cats, 145
Stead, E. A., Jr., and Kunkel, P., influence of peripheral circulation in upper extremity on circulation time as measured by sodium cyanide method, 49
Stearns, M. K., growth and differentiation of connective tissue as observed microscopically in living rabbit, 144
Steffens, L. F., vitamin A and night bl dness, 292
Stewart, J. K., *see* Pohle, F. J., 622
Stokes, J. H., Beerman, H., and Ingraham, N. R. Jr., psychoneurogenous component of cutaneous reaction mechanisms, 577
Streptococci and other organisms, experimental arthritis in rabbits produced with, 463
Streptococcus, hemolytic, use of sulphanilamide in acute suppurative arthritis due to, 35
viridans endocarditis lenta; clinicopathologic analysis of experience in Wisconsin General Hospital, 301
Sulfapyridine therapy in 400 cases of typed pneumococcic pneumonia, 22
use of, in treatment of gonococcal urethritis in male, 594
Sulphanilamide, anemia induced in rats by means of, 804

Sulphanilamide, effect of, upon spermatogenesis in man, 347
therapy, case report with failure of, in brucellosis with endocarditis, 342
use of, in acute suppurative arthritis due to hemolytic streptococcus, 35
Sulphapyridine, report of 50 cases of acute lobar pneumonia in adults treated with, 19
Surgery, urgent, 852
Sutherland, C. G., Roentgen therapy of inflammatory conditions, 729
Syphilitic aortic aneurysms, cor pulmonale due to obstruction of pulmonary artery by, 679

T

Technique, choice of, for sedimentation test, 177
Testosterone propionate, production of ovarian cysts and urinary calculi in young rats with, 147
Therapeusis of experimental Type I pneumococcic meningitis in rats; comparative results, etc., 66
Thomson, K. J., Reid, D. E., and Cohen, M. E., studies on circulation in pregnancy, IV. Venous pressure observations, etc., 665
Thrombophlebitis, idiopathic, of adrenal veins, adrenal apoplexy in man of 72 following, 17
Titus, R. S., Joslin, E. P., and Hunt, H., *see* White, P., 482
Toxicity of benzedrine sulphate in various animals, experimental studies upon, 785
Transfusion purposes, collection and preservation of placental blood for, 634
Treatment of arthritics, considerations bearing on, 589
bronchial asthma, effectiveness of epinephrine in oil, 815
chorea and rheumatic infection by fever induction, further studies on, 224
gonococcal urethritis in male, use of sulfapyridine in, 594
hay fever, nasal allergy, asthma and sinusitis, note on oral administration of potassium chloride in, 229
insulin shock, of schizophrenia and other psychoses, electrocardiogram during, 533
peptic ulcer, value of colloidal aluminum hydroxide in; review of consecutive cases, 155
Treatment of pneumonia with type-specific immune rabbit serum, 349
polyneuritis, evaluation of vitamin B_1 (thiamin chloride) in, 837
300 cases of lymphogranuloma venereum; special reference to use of Frei antigen intravenously, 231
with sulphapyridine of acute lobar pneumonia; report of 50 cases in adults, 19
Tumor, anterior pituitary, associated with cachexia, hypoglycemia, and duodenal ulcer, 1
Tumors, islet cell, of pancreas, 445
Twaddle, P. H., Lindauer, M. A., and Wolferth, C. C., *see* Jeffers, W. A., 864

U

Ulcer, bleeding peptic, erythropoiesis following, 492
peptic, of lower esophagus associated with esophageal hiatus hernia; report of 2 cases, 165
value of colloidal aluminum hydroxide in treatment of; review of 407 consecutive cases, 155
Urea, action of, upon hemoglobin; spectrophotometric study of process of protein denaturation, 144
Urethritis, gonococcal, in male, use of sulfapyridine in treatment of, 594
Urine, origin of ammonia in, under normal circumstances and in kidney disease, 546

V

Vagina, 567
Vest, S. A., Jr., *see* Howard, J. E., 823
Vestibular pathways, central connections of; experimental study, 149
Virus of equine encephalomyelitis, infection of man with, 437
Vitamin A and night blindness, 292
B_1 deficiency, experimental production of, in normal subjects; dependence of urinary excretion of thiamin, etc., 198
(thiamin chloride), evaluation of, in treatment of polyneuritis, 837
Voluntary hypercirculation, 329
Voorhies, N. W., *see* Burch, G. E., 685
Vorhaus, M. G., evaluation of vitamin B_1 (thiamin chloride) in treatment of polyneuritis, 837

W

WARREN, R., and Rhoads, J. E., hepatic origin of plasma-prothrombin observations after total hepatectomy in dog, 193
Wartenberg, R., "numeral test" in transverse lesions of spinal cord, 393
Water balance reaction of posterior hypophyseal extract, prolongation by zinc salts of, 171
Watson, M. V., *see* Holbrook, A. A., 750
Waugh, T. R., Merchant, F. T., and Maughan, G. B., blood studies on newborn, I. Determination of hemoglobin, etc., 646
Weinberger, L. M., and Gibbon, J. H., Jr., anoxia of central nervous system produced by temporary complete arrest of circulation, 146
White and negro races, study of incidence of coronary occlusion and angina pectoris in, 685
P., Titus, R. S., Joslin, E. P., and Hunt, H., prediction and prevention of late pregnancy accidents in diabetes, 482
Williams, J. R., Jr., Diaz, J. T., Burch, J. C., and Harrison, T. R., relation of adrenal glands to action of renal pressor substance, 212
Wilson, G., Bartle, H., Jr., and Dean, J. S., chronic hypertrophic spinal pachymeningitis, 616
Woldman, E. E., and Polan, C. G., value of colloidal aluminum hydroxide in treatment of peptic ulcer; review of 407 consecutive cases, 155
evaluation of phenolphthalein test of, 389
Wolferth, C. C., Lindauer, M. A., Twaddle, P. H., *see* Jeffers, W. A., 864
Wright, W. H., *see* Brady, F. J., 367

Z

ZAPP, J. A., JR., and Lukens, F. D. W., *see* Stadie, W. C., 145
Zinc salts, prolongation by, of water balance reaction of posterior hypophyseal extract, 1